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M/EB 75/64
10 February 1964
Copy _____/

MEMORANDUM FOR: Chief, Defensive Systems Division, OSI:

25X1A

ATTENTION: []

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: MOON CONE Radar Identified at Linfen, China

REFERENCES: (a) Requirement C-SI-3-80,893
(b) CIA/PID Project 1821-63

DECLASSIFICATION REVIEW BY NIMA / DoD
USAF and Navy review(s) completed.

1. This memorandum is in response to your requirement dated 20 December 1963 requesting confirmation of the information contained in M/EB 376/63 answering Requirement C-SI-3-80,492.

2. The radar in CIA photograph number 465994 is an SCR-270 variant (see information enclosed).

The analyst, in preparing the drawing for MEB/376/63, used the dimensions for the MOON CONE given in PAG/M-53-63 memorandum (enclosed). These measurements were of the Linfen radar site and were made by TID of NPIC.

Because of the structural similarity between the SCR variant and the MOON CONE, TID remeasured the Linfen radar along with a MOON CONE found at Shen Yang, China and arrived at measurements for the MOON CONE which support those given in M/EB 376/63. Therefore, the information in M/EB 376/63 appears to be as accurate as possible and indicates the radar in CIA 465994 and the radar believed to be a MOON CONE at Linfen are not the same model. Enclosed are the graphics which accompanied your request.

3. The photo analyst on this project is [] who may be contacted [] should you have any further questions regarding this project.

4. This project is considered to be complete.

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Enclosures:

- 1 - PAG/M-53-63
- 2 - PACAF AIS-6
- 3 - CIA 465994
- 4 - 2 photos - [] 25X1C
(CIA/PID/MEB-P-168/64)
- 5 - 1 line drawing
(CIA/PID/MEB-P-169/64)

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GROUP 1
Excluded from automatic
downgrading and
declassification

S-11540

PAG/M-53-63
7 August 1963

MEMORANDUM FOR: Director, National Photographic Interpretation Center

SUBJECT: MOON CONE Early Warning Radar

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1. An early warning radar identified at numerous locations in China from [] has been officially nicknamed MOON CONE by the Scientific Intelligence Committee, Electronic Subcommittee. Same classification is SENSITIVE.

2. The radar consists of an antenna supported by a vertical mast 12 m (40 feet) high and a horizontal boom 15 m (50 feet) long attached to the mast at a point 3 m (10 feet) above the ground. The antenna is shaped like a "bush tree" and is mounted on an SCR-270 type trailer with outriggers.

3. Probable radiation characteristics:

RF: 147-154 Mc/s
PDP: 190-210 pps
PW: 6.0-15.0 microseconds
HDW: Approximately 12 degrees
Scan: Manual 15-70 seconds/revolution

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[]
Assistant for Photographic Analysis, NFIC

Distribution:

Orig & 1 - D/NPIC
1 - Asst/PAG
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